

Specification MAP/CV1579/Issue 7 Dated 7.8.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

—————> Indicates a change

<u>TYPE OF VALVE</u> - Acorn Pentode <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass-unsealed <u>PROTOTYPES</u> - ZA2, 954, 4672.			<u>MARKING</u> See K1001/4	
<u>RATING</u>		Note	<u>BASE</u> None All pins are to be plated	
Heater Voltage (V)	6.3		Pin	Electrode
Heater Current (A)	0.15	1	Heater	
Max. Anode Voltage (V)	250	2	Screen grid	
Max. Screen Voltage (V)	150	3	Suppressor grid	
Max. Anode Dissipation (W)	0.5	4	Heater	
Max. Screen Dissipation (W)	0.1	5	Cathode	
Mutual Conductance (mA/V)	1.4	Top Wire	Anode	
Anode Impedance (MΩ)	1.5	Bottom Wire	Control grid	
<u>CAPACITANCES (pF)</u>		<u>DIMENSIONS</u> See K1001/AI/D4.2.2.		
C _{ae}	3.0			
C _{ge}	3.0			
C _{ag} (max.)	0.01			

NOTE

A. At $V_a = 250$, $V_{g2} = 100$, $V_{g3} = 0$, $V_{g1} = -3.0$.

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested			
							Min.	Max.				
a	See K1001/AIII					<u>CAPACITANCES (pF)</u>			6 per week			
	Links to H.P.	Links to L.P.	Links to E.									
	TC1	1,2,3,4,5	6,7,8,9,10,TC2							Cae	2.4	3.3
	6	1,2,3,4,5	7,8,9,10,TC1,TC2							Cge	2.5	3.5
	TC1	6	1,2,3,4,5,7,8,9,10,TC2			Cag	-	0.01	T.A.			
b	Vh	Va	Vg3	Vg2	Vg1	Ih (A)	0.135	0.165	100% or S			
	6.3	0	0	0	0							
c	6.3	250	0	100	-3.0	Ia (mA)	1.0	3.0	100%			
d	6.3	250	0	100	-3.0	gm (mA/V)	1.0	1.8	100%			
	Peak grid swing $\pm 0.5V$. max.											
e	6.3	250	0	100	-3.0	Ig2 (mA)	0.3	1.1	100% or S			
f	6.3	250	0	100	-3.0	Reverse Ig1 (μA)	-	1.5	100%			
g	6.3	250	0	100	-10.0	Ia (mA)	-	0.12	100%			